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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 143

MONTHLY REPORTS

November, 1927

NOVEMBER-1927

December 5, 1927.

Dear Sir:

The following is my report for November on conditions in Yellowstone National Park, and on the activities of the National Park Service:

000 - General

Superintendent Albright left here on November 12th for Yosemite Park where he will be in charge during the winter months in the absence of Superintendent Lewis. Mr. M. F. Dana is Acting Superintendent of Yellowstone in Mr. Albright's absence.

Road Conditions: The road from the north entrance to park headquarters has been open to motor travel throughout the month except that it was temporarily blocked by a rock slide in the Gardiner Canyon on the 16th. It was passable, however, by the afternoon of the 17th and is now in good condition.

The Golden Gate road was similarly blocked on the 9th but the rock was removed and the road repaired within a few days with very little inconvenience to travel. There has been very little travel in the upper park since November 15th. The last motor vehicle to proceed from Old Faithful was one of the Haynes' Picture Shops trucks which arrived at park headquarters on the 22nd. Travel conditions were extremely difficult and a whole day was required to make the trip. The last motor travel between Lake and Canyon occurred on the 23rd when two of the rangers proceeded from Lake to Canyon and return, in a Dodge car. All roads in the upper park have been closed to motor travel since the 23rd. There has been no motor travel to Cooke City, Montana, since the 28th. The road has been passable but in poor condition prior to this date. I am informed that there have been no mail deliveries to Cooke City for more than a week although the contract requires 3 deliveries weekly to January 1st. There is nothing to prevent mail deliveries with teams, but motor vehicles cannot proceed beyond Soda Butte Cabin on account of the snow depths. All road construction and roadside cleanup work in the upper park was concluded on November 14th on account of weather and snow conditions.

[illegible] 5, 1957.

Dear Sirs

[illegible] is up [illegible] [illegible] [illegible]

150 - Equipment and Supplies

Employees of the freighting department were engaged in moving in road camps and equipment, hauling hay and oats from Gardiner and Hoppe Ranch to headquarters, hauling forage and supplies for rangers, and in hauling market supplies from Gardiner to Mammoth. Employees of the Commissary were engaged during the month in storing forage and supplies, moving equipment at headquarters, checking in road camps (supplies, tools and rations), issuing supplies and equipment and in building shelves for electrical department.

180 - Circulars, placards, publicity bulletins, etc.

200 - Maintenance, Improvements and New Construction

Road Maintenance: Maintenance work during the month was in the nature of extraordinary repairs at Golden Gate and in the Gardiner Canyon. Several yards of rock broke from the cliff at Golden Gate, temporarily blocking the road and destroying about forty feet of guard and retaining wall. In addition to clearing away the debris and repairing the wall, such loose rock as appeared to be dangerously overhanging and likely to fall during the winter was removed from the face of the cliff.

A crew was put to work in the Gardiner Canyon at the point identified as the "slide" to construct a rock wall at the toe of the road slope and afford protection from washouts during the high water period in the spring. This wall was completed to the height of last season's high water level of the Gardiner River. During the course of this work about seventy-five yards of loose rock and shale slid from the top of the hill above the road, very nearly filling the road and blocking traffic from three o'clock in the afternoon to nine o'clock the following day. This slide was removed and used for the fill back of the new wall. Snow and severe cold weather put a stop to all but the necessary work to carry the road safely through the winter and the additional fill at the outer edge of the road will have to be completed in the spring.

Maintenance - Buildings

Carpenter Shop: The carpenter foreman and one carpenter continued the remodeling of the old warehouse into duplex apartments. All roughing in has been completed. There were the usual odd repair jobs around the different buildings.

Electrical Department: Rewired one set of living quarters in the old hospital annex.

Paintshop: The Master Painter repainted two rooms in Bruce's quarters, two rooms in White's quarters, two rooms in the Bachelor Building, primed the outside of the new quarters and other minor paint and glazing jobs.

Garage: One dump truck, four graders and one power grader were overhauled this month by the department besides the usual minor repairs upon the freighting fleet which was not disbanded until the fifteenth.

150 - Equipment and Supplies

Employees of the Production Department were engaged in moving in room scope and equipment, emptying and cut back from Auditorium and Image Dept. to headquarters, loading boxes and supplies for transport, and in moving museum supplies from Auditorium to museum. Employees of the Community were engaged during the month in moving boxes and supplies, moving equipment at headquarters, obtaining in-kind range (supplies, tools and cabinet), loading supplies and equipment and in making motives for electrical department.

160 - Library, Archives, Exhibit Building, etc.

200 - Maintenance, Improvements and Use Operations

Road Maintenance: Maintenance work during the month was in the nature of maintenance-repairs as follows: Work was done in the Auditorium Lounge. Several yards of dark loam from the cellar as fairly dry, temporarily blocking the road and destroying water from dust of gravel and replacing well. In addition to clearing away the debris and repairing the wall, some lower rock as appeared to be dangerously overhanging and likely to fall during the winter was removed from the face of the cliff.

Lower work was not begun in the Auditorium Lounge as the point identified as the "Alpha" in question: a rock wall at the 27 the trail slope and effect protection from moisture during the high water period in the spring. This will be completed by the August of last summer's high water level of the Auditorium Stage. During the course of this work about seventy-five yards of loose rock and shale slid from the top of the hill above the road, very nearly filling the road and blocking traffic from below a-down in the afternoon as the a-planes the following day. This slide was removed and used for the fill back of the new wall. Some rock masses still remained put a step in all but the concrete work to carry the road safely through the window and the additional fill at the outer edge of the road will have to be completed in the spring.

Maintenance - Buildings

Carpenter Shop: The carpenter foreman and one carpenter completed the remodeling of the old Auditorium into digital apartments. All remaining in the room completed. There were the usual odd repair jobs around the different buildings.

Electrical Department: Installed one set of living quarters in the old original house.

Plumbing: The heater failure regulated our rooms in Brown's quarters, the power in Miller's quarters, two rooms in the Indoor Building, primed the outside of the new quarters and other minor jobs and plumbing jobs.

General: Job long trend, four grades and one power grader were over-hauled this month by the department besides the usual minor repairs and the replacing first which was not finished until the fifteenth.

230 - Road Construction

Weather conditions made it necessary to call in all construction crews on the 12th of the month

Mammoth-Norris Junction: About 2000 yards of material was moved on the two sections of this project now opened up. Special effort was directed toward putting this new and uncompleted work in shape to go over the winter months, especially in building up low points and providing drainage for the early spring runoff. Clearing, grubbing and cleanup for the three miles north of Norris was entirely completed.

A cleanup crew operated in the vicinity of Beaver Lake. The snowfall in this section was the heaviest of any along the line and so handicapped the work that as good results as desired were not obtained. It was found necessary to repile the greater part of last year's brush and log piles before they could be burned. This work, and cutting out the scorched trees of last Fall constituted the work accomplished in this area.

Madison Junction-West Yellowstone: All shovel excavation and the fill between Stations 304 and 314 was completed, as well as most of the rough fresno finish on the same section. The steam shovel was moved back to Station 276, where the line change over the hill begins and about 1,000 yards of material, mostly rock, was moved. Total roadside cleanup on this section amounts to 4-1/2 miles.

Firehole Road: This project was not quite completed. A few points of rock above grade and the final finishing remains to be done next spring.

Grand Canyon (Uncle Tom's Trail): Although this project was not under the direct supervision of the engineering section, an inspection was made a few days before the close of season's work. The earthwork, stairs, and platforms were found practically completed to the point where the final grade down to the river's edge begins. There was every appearance of excellent workmanship and the project as a whole will be a decided improvement over the old trail.

Surveys: The survey party was cut to two men on the 10th of the month, the preliminary survey between Norris and Mammoth having been completed. These two men obtained field data necessary for preliminary plans and estimates for the proposed Mammoth sewer system and came into the office to work up the notes and estimates for the season's field work.

300 - Activities of other agencies in the park

311 - Character of service rendered to the public

All stores and gasoline stations in the interior of the park were closed during the month of November and no accommodations of any kind were available to tourists. The general store at Mammoth Hot Springs was operated during the month to take care of Mammoth residents.

[illegible] - [illegible]

[illegible] made it necessary to wait for all construction [illegible] the 12th of [illegible] month.

[illegible] - [illegible] the [illegible] of [illegible] [illegible] [illegible]

400 - Flora, fauna and natural phenomena

410 - Ranger service

Chief Ranger Woodring was absent from the park on official business to Billings, Montana, from the 9th to 12th inclusive. He has otherwise been engaged in tours of inspection of the Northern and Western Supervisory territories, wild animal patrols in the Mammoth-Gardiner district, and general supervision of all Protection Department activities. Assistants Chief Ranger Trischman, Douglas and Lick have been directly in charge of all ranger activities in their respective supervisory territories. Their work has consisted in part of daily patrols along the park boundaries for the protection of wild life and the prevention of trespasses by hunters on park lands; they have also cooperated with State Game Department officials of adjoining States in the enforcement of the game laws on areas bordering the park.

Assistant Chief Ranger Greer has been in charge of the Chief Ranger's office throughout the month. He was acting Chief Park Ranger during the absence of Chief Ranger Woodring on official business. He handles all detail work of the office, consisting in part of correspondence, report compilation, inventories, communication service with outlying stations, etc. He also assists the Chief Park Ranger with routine work in the headquarters district. He will be assigned to field duties at intervals during the winter season when his services can be spared from the office.

Ranger duties have consisted principally of boundary patrols for the protection of wild life and the prevention of trespasses by hunters on park lands, predatory animal hunting, observing and reporting weather conditions (variations of temperatures, snow depths, precipitation, etc.) and water gage heights, repairs and maintenance of telephone lines, property and equipment, and routine station duties. Special daily mounted patrols were concluded in the Gallatin, West Yellowstone and Thorofare Districts on the 15th. The snow depths in these districts now range from 12 to 30 inches and all patrols will hereafter be made on skis or snowshoes. Mounted patrols along the north line will be made daily until the close of the hunting season in Park County, Montana, on December 20th. Special daily patrols of the antelope range will be effective throughout the winter season. All travel in the park is now limited to skis and snowshoes with the exception of a small area in the North District. The highway from park headquarters to Tower Falls and Buffalo Ranch is generally passable for motor vehicles until about January 1st, and mounted patrols of the winter elk range along the Yellowstone and Lamar Rivers are rarely concluded on account of snow depths before midwinter.

440 - Insect Control

Forest insect control work was concluded in the Tower Falls district on November 8th. Eighty-five trees were cut and burned on the hillside back of Camp Roosevelt and a large tree was similarly treated at the public auto camp. Another group of about 50 in the vicinity of the petrified tree will be cut and burned early next spring.

300 - Fiers, Fumes and Natural Phenomena

320 - Smoke Nuisance

Chief Engineer Lindsley has answered some the press on efficient methods to abolish smoke, from the City to avoid infractions. Of the principles upon engaged in reports of inspection of the furnaces and boilers. Improvement installations, will assist greatly in the smoke-abatement district, and general experiments of all types. Inspection continues satisfactorily, and checks to the furnace stokers. Smoke was light most directly in charge of all proper activities in their respective supervisory departments. Their work was consisted in part of daily patrols along the main thoroughfares for the purpose of will also act as preventive of violations of smoke by pure. Inspectors have been assigned with flash lamp inspections effective in adjusting stokers in the conformance with the city law in order violating the order.

Individual field inspector have been in charge of the chief inspector's office. Inspections are worth. We are making their rounds. Inspectors during the periods of their duties. Inspection on official business. In addition all detail work of the office, consisting in part of investigations, report compilations, correspondence, service calls notifying violations. In also replies the chief have taken with prosecuting the violations. Inspectors. We will be assisted in about twelve at inspection during the winter months when the workings can be expected from the officers.

Under Police have consisted principally of investigating persons for the prevention of the violations of the ordinance by boilers or with local complaints about smoking, observing and recording violations. Investigations of complaints, have lights, particularly, the local water pipe boilers, repairs and enlargements of telephone lines, property and equipment, and regular patrol duties. Special duty assigned patrols were assigned in the building, with difficulties and Thursday inspections on the lines. The same duties in these directions are being done in to the lines and all parties will hereafter be made on file or complaints. Thursday patrols along the street lines will be made daily with the aims of the heating means in that locality. Further, on Saturday nights, special duty patrols of the business zones will be activities arrangements the street corners. All arrest in the part in the limits of this and inspections with the assigning of a small area in the North District, the Highway from Pine Street southward to River Cable and Cottage Grove is particularly checking for heavy violations small home industry. Part and business patrols of the chief are made along the Saturdays and Sunday nights in regard specialized in suppression of area fumes nuisance abatement.

330 - Smoke Control

Total issues against city and individual in the Chief field activity in measure for. Significance these were not not issues on the Bulletin base of long tonnage and a large use the Industry limited or not public the ordinance group of issues 63 in the majority of the practical use will be was and issued daily and service.

470 - Animals

Wild animal conditions are excellent except as hereinafter noted. Weather conditions have been favorable and we have one of the heaviest forage crops of recent years.

Elk: There have been no unusual elk movements during the month. The drift to the winter range has been in progress since late in October, and large bands are now assembled in the following localities: Mammoth-Gardiner district 800, Lower Blacktail and east slope of Mt. Everts 1750, Cottonwood Basin 750, along trail between Hellroaring and Slough Creeks 2800, on Slough Creek Meadows and along trail between Slough Creek and Buffalo Ranch 2500, along Yellowstone and Lamar Rivers in the vicinity of Tower Falls 550. Smaller bands have been recently observed and counts submitted as follows: Along the north line fence on north slope of Sepulcher Mountain 340, along Reece Creek outside the park boundary 192, Soda Butte Creek near head of canyon 36, along Pebble Creek 42, and in the vicinity of Soda Butte Cabin 385. The usual small bands have been observed on the meadows along the Madison, Firehole and Gibbon Rivers. Only a few small bands of the Gallatin herd have moved down to the Game Preserve north of the park. The number reported killed by hunters on areas bordering the park are noted as follows: Reece Creek district 6, Gardiner-Crevice district 8, West Yellowstone district 26, Gallatin district 52, Cooke City district 1, Sylvan Pass district 50 and Upper Yellowstone district 4, total 147, as compared with 197 to November 30th last year, 312 to November 30th, 1925, and 253 to November 30th, 1924.

Deer: Counts of deer along the trails have been recently submitted as follows: Gardiner district 47, Game Preservation Ranch 132, Reece Creek district 48, Pebble Creek district 15, Hellroaring district 72, along Yellowstone River from Crevice Creek to Bear Creek 49, Tower Falls district 18, and Mammoth district 98, total 479. Many more are known to frequent most of the districts named. The counts do not include many well known deer districts and are regarded as about one-fourth of the total number of deer in the park.

The number reported killed by hunters on areas bordering the park are noted as follows: Reece Creek district 12, Gardiner-Crevice district 22, Gallatin district 11, Sylvan Pass district 35, Upper Yellowstone district 4, and Cooke City district 1, total 85, at the close of the hunting season as compared with 105 last year, 67 during the season of 1925 and 56 during the season of 1924.

Sheep: Recent counts have been submitted by rangers as follows: South side of Yellowstone River near foot of Turkey Pen trail 32, Gardiner Canyon along highway between Mammoth and North Entrance 8, along Yellowstone River above Lamar River Junction 48, and along the north shore of the Yellowstone from the Lamar River ford to Cottonwood Basin 25, total 113. These counts exceed the average for this season of the year. Our best counts are always secured later in the season when the deep snow and extreme winter conditions force them down on the exposed ridges along the trails. There is some evidence of scab and pneumonia among the animals observed near Tower Falls. An old diseased ewe was killed by the Chief Ranger and specimens of the skin and lungs were sent to the Livestock Sanitary Board at Helena, Montana, which reported, on laboratory examination, "the presence of psoroptic scabies with the mites present in very large numbers. The lungs showed consolidation of the apical lobe, due to a

[illegible] weekly conditions are excellent except on Darjiling Road. Railway conditions have been favourable and no fire use of the important [illegible] stage of present plans.

[illegible] There have been no crimes [illegible] during the month. The [illegible] in the Cooch Bihar [illegible] in progress also [illegible] in progress, and [illegible] are now complete in the Jalpaiguri Municipality [illegible] Jalpaiguri [illegible] and good stage of [illegible]. [illegible] along [illegible] [illegible] [illegible]

pneumonia which was probably caused primarily by the presence of the hair lung worm. Microscopic examination of the lung showed the eggs and embryos of this worm to be present in large numbers, although none of the adults could be seen with the naked eye. This is the same worm we have found in the lungs of sheep dying of pneumonia in Glacier Park and on the Sun River."

No losses are known to have occurred among the sheep in Yellowstone Park this season. Coughing has been observed among a few of the ewes and lambs and a few animals are infected with scabies, but with the exceptions noted all the bands appear to be in good condition. Rangers are observing and reporting daily on sheep conditions in their respective districts and there appears to be no immediate cause for alarm.

Eight have been killed by hunters in Wyoming on areas bordering the park as compared with 10 during the hunting season last year and 5 during the hunting season of 1925.

Antelope: The antelope herd is in excellent condition. One hundred twenty-two were recently counted on their winter range outside the park and numerous small bands are observed daily on the foothills of Sepulcher Mountain and along the north slope of Mt. Everts. One hundred sixty-eight were counted on the 30th along the old road from Gardiner to Mammoth Hot Springs and 68 in one band were counted on the same day along the east side of the Gardiner River in the vicinity of the target range. One was killed by coyotes along the north line fence early in the month which is the only reported loss this season to date. We have no authentic reports of the number killed by hunters in Wyoming except that 150 of the Greybull herd were killed during the month of October. The activities of antelope hunters in Wyoming have in no wise affected the security of the Yellowstone herd.

Moose: No unusual counts have been submitted although rangers from the Upper Yellowstone report abundant signs and state that from 6 to 18 were seen almost daily on their patrols during the month, and 29 were counted on the 1st. They estimate that there is approximately 300 in the Upper Yellowstone district at this time. The ranger at Sylvan Pass reports a total of approximately 20 in his district, 10 are reported in the Gallatin district, 3 have been recently seen on Molheron Creek and 4 on Coyote Creek at points near the north boundary of the park. The Chief Ranger saw two along Miller Creek in his recent patrol to the Upper Lamar, and 3 are seen almost daily along the highway in the vicinity of Cooke Ranger Station. Moose conditions are excellent. The reported losses during the hunting season consist of 11 in the Thorofare District of Wyoming and 2 in the Gallatin district of Montana, total 13, as compared with 36 to November 30th last year. The kills in Montana were in violation of law and two arrests were made. The names of the accused persons are John Ings and Robert Russel of Bozeman, Montana. They were convicted and fined $67.25 each. Mr. Albright reported an interesting experience while en route to Old Faithful with Mr. J. E. Haynes (October 18th). A large bull moose appeared on the highway immediately in front of their car as they were proceeding down Gibbon Canyon below Beryl Spring. He was reluctant to leave the road and ran along in front of them for about a quarter of a mile. He was described as a magnificent specimen and the experience was thoroughly enjoyed.

[illegible]

[illegible]

[illegible]

Bears: The bears have been generally inactive since early in the month. Most of their raids ceased during the last week in October and signs have been rarely seen since November 15th. The captive bear Juno at park headquarters makes an occasional appearance on warm sunny days but he is generally inactive and eats very little. A motherless cub appeared at the Hellroaring Ranger Station about the middle of the month; he was nearly starved and approached with unusual boldness and lack of fear. His condition was pathetic and the rangers promptly gave him plenty of good, warm food, which inspired his confidence; he is now a permanent resident at the station. He sleeps in a nearby rock pile and appears regularly at the kitchen door at mealtime. Seventeen bears, including one grizzly, have been killed by hunters on areas adjoining the park, as compared with 23 during the hunting season last year and 8 during the hunting season of 1925. The female grizzly bear which was captured in the Canyon district late in October was shipped to the Denver, Colorado, City Park Zoo on November 6th. The animal arrived at destination in excellent condition and on request we have named her Lady Yellowstone. She is about 4 years of age and the zoo Superintendent is highly pleased with our selection.

Buffalo - Lamar River Herd: The herd is now ranging the slopes and meadows along the Lamar River from its junction with Slough Creek to the foothills of Mt. Morris. The principal bands are below the Lamar River Canyon. Forage conditions are excellent and the animals are in fine condition. There were no shipments during the month. The total of the shipments this season to date is 27, consisting of 26 live animals and 1 slaughtered steer. The herd total of record at the close of the month consists of 221 bulls, 174 steers, 393 cows and heifers and 121 calves, total 909. Four steers will be slaughtered for shipment early in December and the sale of 15 more with request for delivery about the middle of the month is now pending the receipt of the purchase price.

Buffalo - Cold Creek-Pelican Creek Herd: There is nothing of interest to report at this time.

Predatory Animals: Ranger Ogston reports signs of 2 wolves in the vicinity of the Slough Creek mail box and Ranger Baker reports signs of a lion in the Madison Junction district. Seventy-five coyotes were killed by rangers during the month which, together with 44 previously reported, makes a total of 119 this season to date, as compared with 89 to November 30th last year, 134 to November 30th, 1925, 87 to November 30th, 1924, and 53 to November 30th, 1923.

Small Animals: No unusual activities have been observed. Fresh beaver slashings have been noted at Grevice Lake and in the Blacktail Hellroaring, Tower Falls and Slough Creek districts but there is nothing unusual in the range or extent of these activities. Reports of normal activities have also been received from other well known beaver districts in the park. Marten signs have been reported in the Lake, Canyon and Thumb districts.

Water Fowl: The only noteworthy count in connection with the water fowl census on November 12th was submitted from the Yellowstone Lake district.

Canada: The boats have been generally inactive since early in the month. Most of their crews ceased sailing the last week in October and signed back with their early week since November 15th. The engines have been of very mechanical nature or mechanical difficulties so there may not be generally idleness and are very little. Conditions and appearance as the following charge: Conditions above the shoals or the shoals be very nearly average and appearance with moderate weather and lack of fear. The results are satisfactory and the engines generally were min plenty of coal. Some that limited the availability to be one a particular motivation of the shoals. We always in a charge rowing pile and appears regularly as the climate from of motivation. Investment merits, including the getting have been added by boilers to cause adjusting the place, as compared with 27 during the month among last year and 6 during the month among of 1925. The shoals already have which are original in the Oregon district Jan 1 through the original in the river, particularly from the on January 4th. The method arrived at determining is equalizing monitoring and on required be have added for lack information. The is about 4 years of age and the engine boilers is highly pleased with our selection.

Oregon - Lower River Shoal: The boat is now working the shoals and moving along the lower river from the junction with Snake River to the Columbia at Ft. Stevens. The principal shoals are below the lower dikes. Large quantities are monitored and the minimum are in fine condition. Shoals were so adjusted during the month. The total of the shipments this season is now 17, consisting of 15 lots minimum and 1 highpotted shoal. The total of record at the close of the month consists of 251 pulls, 127 shoals, 333 shoal and 1 lots and 121 salmon; total 713. Four shoals will be alongside the dikes shortly in December and the pile of 15 more also ready for delivery. Shoals are middle of the month in the period the result of the previous pulls.

Delaware - Old Dominion-Pulmer Creek Shoal: Shoal is working or planned to remain as this time.

Pennsylvania Industry: Shoal Oregon regards shoal of 4 miles in the vicinity of the shoals shoal will the and Shoal lower shoal shoal of 4 line in the Delaware shoals. Shoal-Pulmer shoals shoal shoal pulls by passing the by shoals shoals, regular pile 47 previously regular. Shoal a total of 119 pull shoal 4 lots. Shoal shoal 47 in shoals year last year, 127 in Shoal year, 1923, 97 in Shoal year, 1924, and 33 in November 9 in, 1925.

Shoal Industry: In shoal activities have been shoal. Trial shoal shoals shoal have been shoal in shoal pile not in the shoal industry. Shoal Pulmer and Shoal Shoal shoals shoal shoal shoal

More than 3,000 ducks, 435 geese and 43 swans were reported. The principal counts were made along the Yellowstone River between the Lake outlet and Canyon. Water fowl counts are submitted monthly to the Bureau of Biological Survey in cooperation with its plans and purposes to secure a monthly census throughout the country during a period of 1 year. Rangers counted 78 swans near the outlet of Yellowstone Lake on the afternoon of November 30th. This is regarded as a very unusual and noteworthy count.

Buffalo and Other Ranch Operations: The activities at the Buffalo and Slough Creek Ranches have consisted principally of routine winter season work, including the care and keep of the team and saddle horses, mounted patrols of the buffalo and elk range, maintenance and care of buildings, property and equipment and the necessary repairs and maintenance of roads, trails and telephone lines. There have been no noteworthy activities at the Yancey and Gardiner ranches during the month. The Park Service and ranger horses, no longer required for use in connection with the winter season work, have been assembled for care and feeding at the Game Preservation Ranch. There are 51 head in the herd at this time. There is a large acreage of excellent forage on this ranch and feeding will probably not be necessary until late in January. The ranger stationed at the ranch will be charged with the care of the horses.

480 - Natural Phenomena

Mammoth Hot Springs: New Angel is becoming active again. It started about the middle of the month and is increasing daily. A sinter block placed only five feet from the highway at the foot of Jupiter Terrace showed a deposit of nearly an inch in thickness in three weeks' time. This is part of the experimental work of the Geophysical Laboratory in Washington, D.C. Everything else is about as it was at the end of October.

Upper Geyser Basin: The report for the month of October failed to note an eruption of Beehive on the 22nd. The ranger was not present at the time and had no information concerning it until about 2 weeks after the event. It was observed by Judge George Y. Patten of Bozeman, Montana, who very kindly provided us with the information desired for record purposes. This geyser has apparently been inactive throughout November as the pole over the cone remains exactly as placed on the first of the month.

Old Faithful has been observed from 3 to 7 times daily. The observed average interval was 61.1 minutes. The longest interval was 74 minutes on November 11th and the shortest interval was 53 minutes on November 18th. The shortest interval was characterized by the shortest observed duration of eruption which was 1-3/4 minutes. The average duration of eruption is 4 minutes. The heights of the observed eruptions varied from 80 to 120 feet.

Giant erupted on the night of November 20th. It was not observed in action but the position of the pole from the orifice, runoff and other indications are conclusive. The period of action was preceded by two days of violent boiling.

Grand has been active at intervals varying from 14 to 16 hours. Turbid Geyser and Burning Pool are closely related to the activities of Grand

more than 3,000 tons, 357 guns and 45 aircraft were imported. The principal countries were those where the Italiaventos firms because the Ship motor and Cargoes. Under that months are monitored monthly in the Bureau of Biological Energy in accordance with its plans and functions to ensure a steadily increasing environment the economic ship log a period of 1 year. Imports included 75 engine water for trains 12 Italiventos lines as the strengths of Tonnage 7,000. This is imported as a very economical and economically sound.

Bulletin and Other Energy Developments: The activities in the Bulletin are clearly these Reports have been established primarily of monitor ship for engine water, initiating the work and many of the time and month's journal, monitor patterns of the energy and the Fuel, maintenance and some of building, principally the equipment and the necessary Engine and maintenance of roads, trails and equipment lines. Short term have be subsequently activities as the Energy and Carrier monitor monitor the roads. The Fuel service and engineer bureau, as longer required for use in connection with the engine water work, have been essential for work and checking on the Energy-lines Reports. There are 31 used in the work as with them. There is a large amount of equipment through on this road and Reading will probably not be necessary until late in January. The Engineer established of the roads will be charged with the duty of the bureau.

40 - Energy Developments

Energy for Engines: The input is Generator entry engine. It started above the Energy of the roads and is Independent daily. A water Wheel placed only five days from the Bulletin on the Fuel of Engineer Energy Energy is Input of energy on Input in Bulletin in three weeks' time. This is very of the experimental work of the Geophysical Laboratory in Washington, D.C. Everything else is about as it was at the end of October.

Energy Engineer Bulletin: The reports for the month of October Bulletin is made on energies of Reports on the time. The energy has not yet produced as the time and not to Internation commercially is until about 2 weeks after the event. It was observed by Judge Energy I. Jackson of Bureau. Engineer, who only Energy provided me with the information required for record purposes. This engineer has apparently been Inactive Experiments Bureau on the pole over the Jack Energy monitor is placed on top right of the roads.

The Bulletin has been observed from 3 to 7 times daily. The observed average Energy was 64.1 minutes. The longest Interval was 73 minutes on November 11th and the shortest Interval was 33 minutes on November 17th. The average Interval was characterized by the shortest observed duration of engine noise and 1-1/4 minutes. The average duration of engine is 4 minutes. The height of the observed engine varied from 60 to 110 feet.

Black energies on the night of November 20th. It was not observed in motion but the position of the pole from the Bulletin, remain not after Inter-Black are available. The period of motion was provided by the Bureau of Biological Bulletin.

Based on some motion on Intervals energies from 11 to 18 hours. Energy Engineer and Bureau Fuel are already notified to the activities of roads

and they are all frequently in action simultaneously; however, they sometimes act independently of Grand and of each other. This diversity has been particularly observed during the past month.

Giantess has been inactive throughout the month; the water level has varied from 1 to 2 inches below the rim with comparatively little boiling on the surface.

Lion has been active on irregular intervals and has not been observed in eruption more than once during a day. The heights of eruptions vary from 35 to 50 feet, duration of play 1-1/2 to 2-1/2 minutes. Little Cub generally plays while Lion is in action, duration 6 to 8 minutes, height 4 to 7 feet. Lioness and Big Cub have not been observed in action this month.

Daisy has been active with a regularity rivaling Old Faithful. The intervals vary from 70 to 105 minutes. The height varies from 50 to 70 feet. The average interval is 70 minutes and the average height is 55 feet. The duration of play ranges from 3 to 5 minutes.

Riverside has played at intervals varying from 7 to 8 hours, height 40 to 60 feet, duration 1 to 2 minutes.

Grotto and Rocket have shown no unusual activities. Their eruptions have been irregular, height of play 10 to 12 feet, duration 40 to 50 minutes.

Oblong has been active at undetermined intervals. It was observed in eruption twice in one day with an interval of 8-1/2 hours between; this was the only real interval observed. Height of play 20 to 25 feet, duration 4 to 5 minutes.

Castle has been irregular in its activities; quiet periods of from 4 to 8 days are generally followed by periods of violent boiling, splashing and an occasional eruption to a height of from 40 to 60 feet. These periods of violent agitation frequently last through a period of from 3 to 5 days. Its periods of full eruption vary from 12 to 35 minutes in duration.

The Sawmill, Spasmodic, Dragon, Bijou, Mastif, Spa, Sentinel and Mortar were all observed in action during the month. They were not timed for intervals but so far as observed were normal in every respect.

The temperatures of the hot springs showed a definite variation during the period of November 11th to 18th. There was snowfall every day during this period which generally melted as it fell resulting in a large amount of surface water. The drop in temperatures were observed to vary 1/2 to 1.2 degrees centigrade.

There is nothing of interest to report on thermal activities at Morris and Lower Geyser Basins. The stations at these points are not garrisoned in winter and there is very little opportunity for careful observations. However, Ranger Baker is now on special patrol in both these districts and will submit his observations for the December report.

and they may act frequently in better abolitionistic manner. They practiced all independently of social act of some other. This diversity has been particularly observed during the past month.

Observers have been locating atmospheric ice nuclei, and water level was noted from 1 to 2 inches below the rim with measurements taken well-into the morning.

Also has been noted on or irregular intervals can see was observed in weighing more than once during a day. Ice samples of precipitation only from 20 to 30 min. Average of plus 1-1/2 to 2-1/2 minutes. Using the generally large cells line 1a in action, involving 6 to 8 minutes, height 2 to 7 min., lumens and fig the here air was observed in motion this month.

Only one been active this a particularly prevailing pleiotropic relation. The intensity varied from 70 to 105 minutes. The height varies from 20 to 70 feet. The average interval is 30 minutes and the average height is 55 feet. The duration of pulsy energy lies 3 to 5 minutes.

Electricity has figured in activities varying from 7 to 8 hours, below 20 to 60 feet. Duration 1 to 2 minutes.

Storms and fronts were above no unusual activities. Their appearance been very frequent, height of pulsy 10 to 40 feet, duration 20 to 30 minutes.

Energy has been active or unusualness disturbed, it was observed in energies varies in the day with an interval of 5-1/2 hours between, this was the only real interval observed. Height of pulsy 20 to 35 feet, duration 4 to 5 minutes.

Cells was seen irregular in the activities, pulsy varies of from 4 to 7 days are generally followed by periods of violent building, quantity and as contained appearing 20 a month, of from 4 to 20 feet. Cells varies of violent volcanic frequently just during a period of from 2 to 3 days. Intensities of well irregular may from 12 to 30 minutes in duration.

The results. Lumenite, Tenuous, Nylon, Rayon, Dyn, Inertized and Harter were all observed in testing during the month. They were not those for intensity but as for observed were absent in every measure.

The irregularity of the hot spring showed a fertile variation during the period of November 11th to 16th. There was marked energy and during this period varied generally noted in it dull resulting in a large amount of medium waves. The drop in temperature was observed to vary 1/2 to 1.4 degrees centigrade.

Here is opening of interest to report on unusual activities in Hurtle and Lower Upper Dawes. The analysis of these points are not performed as yet but plans is very little appearingly the usually observations. However, Hurtle Dawes is now in the general period in both these districts and will submit its observations for the December report.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease of travel

There was a limited amount of tourist travel to Canyon, Yellowstone Lake and Old Faithful during the first half of the month but most of the travel was between North Entrance and West Yellowstone direct. No visitors since November 15th have proceeded beyond park headquarters. The travel as observed and noted by rangers at entrance stations is reported as follows:

North Entrance	61 cars	189 visitors
West Entrance	42 cars	128 visitors
Total	103 cars	317 visitors

The preseason travel to November 30th this year consists of 1842 visitors traveling in 655 cars as compared with 1203 visitors in 441 cars last year and 495 visitors in 164 cars at the close of November 1925.

520 - General weather conditions

521 - In the park

The month was featured by a succession of storms from the north Pacific passing across the northwestern border states, resulting in almost continuously cloudy, unsettled weather in this vicinity, with snow or rain, mostly light, occurring nearly every day.

TEMPERATURE: Monthly mean, 32.2°, is 2.9° above normal. Generally mild temperatures prevailed, the highest being 51° on the 6th, and the lowest 9° on the 11th.

PRECIPITATION: Total, 3.74 inches, is 2.30 inches above normal, and 25% greater than any other November of record during the past 41 years. Rain or snow occurred on every day except the 2nd and 22nd.

SNOWFALL: Total 15.1 inches; normal 11.0 inches. About one-half of the precipitation occurred as snowfall. The greatest depth of snow on the ground was 3.0 inches on the 28th.

WIND: Average hourly velocity, 10.6 miles, is the highest in the November record. The wind movement was unusually strong during the last ten days of the month, with several days of high velocities, the highest being 44 miles per hour from the southwest on the 25th, equaling the previous November maximum.

SUNSHINE: The sunshine was markedly deficient, the percentage of possible being only 11, which is, with one exception, the least sunshine for any month since the record began in 1904. Number of days clear 0, partly cloudy 5, cloudy 25, with precipitation 27.

Snow Depths: Snow depths throughout the park with comparative figures for 1926 and 1925 are noted as follows:

320 – Use of Land Facilities by the Public

321 – Increase or decrease of social

There was a limited amount of hunting tourist in October. Fallowing land was not visited for the first half of the month but rain of the tourist and hunters departments and that following dinner. No visitors since Saturday 12th have presented bogus park backgrounds. The tourist as observers and to be by keepers on authorse stations is requested as follows

Cycle patrols	51 cars	157 students
Foot patrols	42 cars	142 visitors
Total	103 cars	299 students

The pressure level so October 2048 this year consists of 1023 visitors travelling in 6[illegible] cars as compared with 1307 visitors in 411 cars last year and 1[illegible] visitors in 3[illegible] cars on the alone of November 1[illegible].

330 – General weather conditions

331 – In the park

The month was favoured by a succession of storms from the north Pacific passing across the northwestern Pacific states, resulting in almost continuously cloudy, unsettled weather in this vicinity, with snow or rain, mostly light, occurring nightly every day.

TEMPERATURE: Monthly mean, 32.6°, is 5.3° below normal. Generally mild temperatures prevailed, the highest being 63° on the 10th, and the lowest 27° on the 4th.

PRECIPITATION: Total, 3.13 inches, is 2.30 inches more than normal, and 1[illegible] greater than any other November of record dating the past 41 years. Snow or rain occurred on nearly day except the 1st and 22nd.

SUNSHINE: Total 12.1 hours, normal 114 hours, lowest monthly of the precipitation occurred on record. The greatest depth of snow on the ground was 3.0 inches on the 25th.

HIGH WINDS: Strongly velocity, 10.6 miles, is the highest for the November record. The wind blowing was generally strong during the last two days of the month, with several days of high velocities, the highest being 41 miles per hour from the southwest on the 25th, equaling the previous November maximum.

GENERAL: The weather was generally delightful, the pleasantness of Pacific being only its which is, with few exceptions, the least accurate for any month since the record began in 1921. Number of days clear 5, partly cloudy 3, cloudy 23, with precipitation 17.

Park employee have kept the throughout the park with a supervisory figures for 1[illegible] was 1[illegible] are issued as follows

Station	1925 Inches	1926 Inches	1927 Inches
Crevice	4	16	18
Canyon	15	24	24
Gallatin	10	14	9
Hellroaring	3	2	3
Lake	12	14	20
Mammoth	3.5	Trace	3
Riverside	6.5	12	15
Snake River	19	16	20
Sylvan Pass	16	26	23
Cooke City	16	18	16
Tower Falls	4	4	4
Upper Slough Creek	10	14	13

Snow depths at other points at the close of the month are noted as follows: Seven Mile Post north of Snake River Station 61 inches, Aster Creek 42 inches, Continental Divide (Thumb to Snake River Road) 40 inches, Thumb Station 32, Coyote Creek at north boundary 20, Buffalo Plateau and Pebble Creek Divide 48, Cold Creek Cabin 14 and Cache Creek Cabin 40. Wind velocities and precipitation were the greatest of record throughout the park for November. Temperatures were generally moderate although the thermometers registered zero at several points in the upper park late in the month.

900 - Miscellaneous

A small fire occurred in the coalshed back of the R. F. McDonald residence on the evening of the 15th. A quick turnout followed the sounding of the siren and the fire was extinguished with only slight damage to the building.

Hospital and Medical Service: Dr. Howard C. Anderson, Resident Physician, reports 11 house calls and 21 office calls during the month.

Postoffice: Nothing unusual to report.

Church Services: Services were held during November as follows: Methodist service by Rev. Otto G. Pomath on Wednesday evening, November 9th; English Lutheran service by Rev. Webster H. Clement on Wednesday evening, November 23rd; Episcopal services were held by Rev. John F. Como on Sunday evening, November 13th, on Sunday morning, November 27th, and on Wednesday evening November 30th by Rev. Pomath (Methodist). An ordination service was held in the chapel on the morning of Wednesday, November 9th, for the purpose of ordaining Rev. John F. Como to the priesthood of the Episcopal Church. Mr. Como began his work in the church as a lay preacher with his first assignment by the Bishop of Montana to the Upper Yellowstone Valley, which includes Emigrant and Gardiner, Montana, and the Park. The service was the first of its kind ever conducted in the Park, and was in charge of

Station	1925 inches	1926 inches	1927 inches
Corvina	4	16	12
Corpus	12	24	9
Gallinas	12	17	5
Gallinas-entry	8	7	7
Lake	12	16	20
Amarillo	7.5	trace	2
Alvarado	6.5	12	15
Cross Slough	17	18	20
Upper Cross	14	14	15
Cross Slough	16	11	12
Sheep Pile	4	4	4
Upper Alvarado Slough	10	14	15

Some depths on Albion probably as low as those of the sloughs are noted in Colonel Lewis Gill's field notes of Bodega River Station 6, Bodega, under Cross Station 5b, Corpus Creek at Lewis Landing 7b, Gallinas Tributary and Tybalt Creek Station 4b. Both these stations lie out beyond tidal 4b. Vital statistics and geological notes the presence of recent transgressed the pure for Bodega. Impoundings were generally moderate although the measurements indicates more at several points in the upper part less in the sloughs.

4b - Bodega

A small fire occurred in the evaluated back of 4b & 7. Accounts residences on the swamp of the 4b. A quick burner fellows the sampling of the river and the fire was extinguished also only slight damage in the building.

Bodegal and Bodegal Corporal 7a, Bonne G. Lakeres, Bodegas Virginia, records 11 house walls and 3 office walls on the ranch.

Blacksmiths forging material in Bodega.

Bodega Corporal, Lewis Gill during Bodega Bonnes 4a Tolland Corporal Lewis by Lar. Gill 6. Fields 4a Lakeres, Bonnes Tyl Bodega Lakeres Bodega by Lar. Tomler 6. Glasser 4a Lakeres, Bonnes Tyl Bodega Tyl Corporal Bodega Lewis Gill by Lar. Tyl 7. Fine 4a Fields Corporal Bodega Lewis Gill, 4a Fields Bodega, Bonnes Tyl, 4a Lakeres Bodega Bonnes Corporal Tyl by Lar. Tomler (Bodega). 4a Bodega Lewis Gill 4a Lakeres Bonnes 4a Lakeres 4a Fields Bodega, Bonnes Tyl. For the purpose of Lewis Gill Lewis 6. Bonnes 4a the Bodega Lakeres Bodega Lewis Gill Lewis Bonnes 4a Lakeres 4a

Rt. Rev. Herbert H. H. Fox of Billings, Montana, Bishop Coadjutor of Montana, who was assisted by Dean H. Crowley-Carrol, of Livingston, Mont., and Rev. Mathews of Billings.

Very truly yours,

M. F. Datum
Acting Superintendent.

AMD

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of NOVEMBER 1927

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
Current generated, ...	49300	354080	49630	346850	7230	2.8
Sold to park operators, . . .	2229.5	77351.1	774	78503.5	-1152.4	1.5
Sold to others, ...						
Furnished to other Governmental agencies, ...						
Used by National Park Service, lost in transit, etc., . . .	47070.5	276728.9	48856	268346.5	8382.4	3.1
Total current generated, . .	49300.0	354080.0	49630	346850.0	4723.0	2.8

Amount receivable from the sale of electricity, ... $ 111.47

* Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

[illegible] ..... National Park for the Month of [illegible]

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
Current generated, ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sold to park operators, . . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sold to others, ...						
Furnished to other Governmental agencies, ...						
Used by National Park Service, lost in transit, etc., . . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total current generated, . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Amount receivable from the sale of electricity, ... $ [illegible]

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* Indicated by K. W. H.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

YELLOWSTONE National Park for the Month of NOVEMBER 1927

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
PRIVATE TRANSPORTATION:						
Cars first entry	103	655	75	441	214	48
Cars reentry						
Motorcycles						
Total motor vehicles	103	655	75	441	214	48
Persons entering via motor vehicles	317	1842	185	1203	639	53
Persons entering via other private transportation						
Total persons entering via private transportation	317	1842	185	1203	639	53
OTHER TRANSPORTATION:						
Persons entering via stages						
Persons entering via trains						
Persons entering otherwise						
Total other transportation						
GRAND TOTAL ALL VISITORS	317	1842	185	1203	639	53

	This Year	Last Year	Increase Number	Increase Percent
Automobiles in public camps during month				
Campers in public camps during month				

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

[illegible] ..... National Park for the Month of .. [illegible]

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase For Travel Year Number	Percent
PRIVATE TRANSPORTATION:						
Cars first entry	105	695	75	444	214	48
Cars reentry						
Motorcycles						
Total motor vehicles	105	695	75	444	214	48
Persons entering via motor vehicles	317	1,842	185	1,223	619	51
Persons entering via other private transportation						
Total persons entering via private transportation	317	1,842	185	1,223	619	51
OTHER TRANSPORTATION:						
Persons entering via stages						
Persons entering via trains						
Persons entering otherwise ...						
Total other transportation						
GRAND TOTAL ALL VISITORS	317	1,842	185	1,223	619	51

This Year	Last Year	Increase Number	Increase Percent

[illegible] in public camps during month
[illegible] in private camps during month .. . .

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

YELLOWSTONE National Park for the Month of NOVEMBER 1927

	This Month	This Month Last Year
Number of employees beginning of month	64	59
Number of additions	5	4
Total	69	63
Number of separations	2	0
Number of employees close of month	67	63
Number of promotions during month	0	3
Aggregate amount of annual leave taken	83½	79½
Aggregate amount of sick leave taken	1	20
Aggregate amount of leave without pay	43	30

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

[redacted] National Park for the Month of November 1937

	This Month	This Month Last Year
Number of employees beginning of month	64	59
Number of additions	5	4
Total	69	63
Number of separations	2	0
Number of employees close of month	67	63

Number of promotions during month	0	3

Aggregate amount of annual leave taken	63	72
Aggregate amount of sick leave taken	1	20
Aggregate amount of leave without pay	14	39

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

YELLOWSTONE National Park for the Month of NOVEMBER 1927

	This Year	Last Year
Park revenue on hand beginning of month	0	0
Received	3514.58	4361.09
Total	3514.58	4361.09
Remitted	3514.58	4361.09
On hand close of month	0	0

Park revenues received this year to date	$132,490.51
Park revenues received last year to date	119,862.93
Increase	12,627.58
Percent of increase	10

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

[illegible] National Park for the Month of [illegible] 1947

	This Year	Last Year
[illegible] on-hand beginning of month	0	0
[illegible]ceived	[illegible]	[illegible]
Total	[illegible]	[illegible]
[illegible]mitted	[illegible]	[illegible]
[illegible] hand close of month	0	0

[illegible] revenues received this year to date	[illegible]
[illegible] revenues received last year to date	[illegible]
Increase	[illegible]
Percent of increase	[illegible]

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

..... YELLOWSTONE National Park for the Month of NOVEMBER 1927

	This Month	This Month Last Year	Increase	Percent Increase
LOCAL BUSINESS				
Miles of circuit maintained	462	391	71	.18
No. of telephones connected	146	141	5	.035
No. of measured service calls				
No. of other local calls				
Total No. of local calls	6530	7125	595	8.35
Peak load in calls per day	308	379		
Receipts from measured service calls				
Receipts from coin boxes				
Receipts from telephone rental				
TOTAL RECEIPTS				
LONG DISTANCE BUSINESS				
No. Outbound calls	94	32		
No. Inbound calls	116	66		
TOTAL LONG DISTANCE CALLS				
Peak load in calls per day	11	7		
Receipts from Long Distance business	$197.75	$27.92		

(All of this revenue accrues to the Mountain States Telephone & Telegraph Co.)

TELEGRAPH BUSINESS				
Messages via Western Union				
Messages via				
TOTAL MESSAGES				
Receipts from telegraph business				
No. of money transfer messages				
No. of money transfer receipts				
TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPT-				

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH SERVICES

Original Back to the Month of ... **BUSINESS LIFT**

ITEMS				
	Total Month	This Month Last Year	Increase	Decrease Percent
LOCAL BUSINESS				
Calls of account municipal	4,400	3,934	72	.16
Calls of telephone commercial	246	142	5	.020
Calls of account private public				
Calls of other local calls				
Local Sta. to local calls				
Local land to calls per day	6,530	7,145	535	8.35
	324	327		
Receipts from collected service daily.				
Receipts from main room.				
Receipts from telephone (total)				
TOTAL RECEIPTS				
LONG DISTANCE BUSINESS				
Outgoing calls	94	32		
Incoming calls	115	66		
TOTAL LONG DISTANCE CALLS				
Average long to calls per day	24	7		
Revenue from long distance business	$127.15	$47.36		
(Amount of data revenue accruing to the Bonneville Dams Telephone & Telegraph Co.)				
TELEGRAPH SERVICE				
Messages via Western Union				
Messages via				
TOTAL MESSAGES				
Receipts from telegraph business				
Receipts from Western Telegraph				
Receipts from Western Telegraph				
TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPT.				

Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

November 3, 1927.

CIRCULAR NO. 22.

In view of the reorganization of the financial side of the office and in view of the appointment of M. F. Daum as Assistant Superintendent, the following procedure with regard to the preparing and dispatching of mail will be in effect beginning with this date:

1. All incoming mail will be obtained by Mr. Eggen from the Post Office and sorted and all official mail placed on Mr. Joffe's desk. This includes all mail carrying the name of the Superintendent, Assistant Superintendent, Disbursing Clerk or Chief Ranger.

2. The mail will be opened by Mr. Joffe, stamped and distributed to the proper offices.

3. All outgoing mail, regardless of the department in which it originates, will be prepared for the signature of the Superintendent, Acting Superintendent or Assistant Superintendent and turned over to Mr. Joffe for placing in the Superintendent's or Acting Superintendent's "In Basket" for signature.

4. All letters and memoranda, after being signed, will be removed from the "Out Baskets" by Mr. Joffe and he will attend to the sealing and mailing. The file copies will be sent through Mr. Daum's desk for his notation, after which they will be placed in the file basket for Mrs. Greer.

5. Where the Chief Ranger's office or some other department is particularly concerned about certain correspondence, extra copies will be made for them.

6. All memoranda for Mr. Albright should first be presented to Mr. Joffe.

7. Departmental memoranda will be handled as heretofore, that is, within the departments.

8. Mr. Eggen will carry the mail to and from the Post Office during the winter, spring and fall months but during the summer season the work will be delegated to the temporary clerk.

It is essential that a proper dispatching of all mail be inaugurated in this office and it is to this end that this circular directs that all incoming and outgoing mail pass through Mr. Joffe's hands and that Mr. Daum read and initial all mail before it is filed.

Horace M. Albright
Superintendent

HMA/jj

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

November 5, 1927.

CIRCULAR NO. 23.

In view of the appointment of Resident Engineer A. F. Baum to the position of Assistant Superintendent, Yellowstone National Park, Assistant Resident Engineer Cecil A. Lord will take over the duties of the Resident Engineer and is designated Acting Resident Engineer, effective this date.

Horace M. Albright
Superintendent

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

September 9, 1937.

Memorandum No. 63.

In view of the inconvenience of Monday Thursday - 7, June to the position of Assistant Superintendent, Yellowstone National Park, Lawrence Cameron Dwight on 1, June will run over the duties of the Assistant Superintendent and is designated Acting Assistant Superintendent, effective this date.

Edward G. Wilson
Superintendent

Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

November 16, 1927.

CIRCULAR NO. 25.

Circulars have been issued covering many of the following points, but for some reason or other they have not been carried into effect. In addition to a repetition of certain previous orders, there are new orders which are necessary so that the finances and accounts may be controlled and administered more efficiently. It is to the benefit of all members of this organization to help carry out these instructions. It is also requested that if at any time employees have suggestions to make which will help in this work, they feel free to come to this office and give us the benefit of their ideas.

The main purpose of this order is to simplify the work of the purchasing department, in doing which we will aid the cost clerk, which in turn will aid each department head in his administrative work. This is also necessary in order that all our purchases may be made in accordance with departmental regulations, which specifically state that all purchases shall be made from competitive bids submitted by three firms. Emergency purchases may be made without submitting proposals, but the emergency must be justified and facts shown that the wants could not be anticipated.

Another purpose of this order is to stop all purchases of supplies and materials from the operators, as this practice is contrary to the above regulations.

The requisitioning of supplies, materials, and equipment from the storehouse will be made in accordance with the folowing:

1. All requisitions for supplies, materials, and equipment shall have the approval of the department head responsible for the allotment to which the requisition is chargeable.

2. No requisition will be filled by the Commissary unless the account to which the requisition is chargeable is stated on the requisition.

3. All requisitions for supplies, materials and equipment, shall be presented to the Commissary where the order will be filled if possible, or an order will be sent to the purchasing clerk covering the unfilled portions of the requisition.

The procedure with regard to the purchasing of materials, supplies and equipment will, in addition to the above, be as outlined and no purchases will be approved unless this procedure has been followed.

1. Requests for purchases will be received by the Commissary and transmitted to the Purchasing Department daily, but the proposals for all but emergency orders will be made out on one day a week only. Friday has been designated as order day.

2. Requests for emergency purchase of supplies will be accompanied by a written justification showing the immediate need for the item or items and the reason why it could not have been anticipated and the regular procedure followed.

3. In case of emergency requirements of gas and oil or car repairs, away from headquarters, the request for such a purchase will be taken up by telephone with the purchasing department, to whom you will give the name of the items and the amount and the cost. The purchasing clerk will make out a purchase order covering these items and will give you the order number and his approval of the order. This order number will be placed upon the bill of sale as well as your name showing that you received the goods. The customers copy of the bill of sale will be sent by you to this office. All operators in the park and others that have been accustomed to accomodate us along this line have been notified of this procedure, so please do not ask them to vary same.

For administrative purposes no department will perform work chargeable to any other allotment except their own except upon the written request of the department head responsible for that allotment. If it is necessary that several departments work under the same allotment then a division of funds will be made and each department will see that they do not exceed the funds set up for their work.

M. F. Daum
Acting Superintendent

MFD/jp

Bound by Dieter for T.H.M.H.

DIETER
BINDS
BETTER
DENVER COLO